

Claims

What is claimed is:

1. A method to time-shift data in a communication device, the method comprising:
  - buffering the data and timing information using a memory arrangement;
  - receiving one of the buffered timing information and current timing information associated with currently transmitted data in a decryption subsystem; and
  - using the decryption subsystem to decrypt the buffered data only when the buffered timing information is not earlier than the timing information received by the decryption subsystem.
2. The method of claim 1, further comprising buffering the data and timing information using a removable memory device.
3. The method of claim 2, wherein the removable memory device comprises a flash memory device.
4. The method of claim 1, further comprising transmitting the buffered data to another communication device.
5. The method of claim 4, further comprising transmitting the buffered data to another communication device using a wireless communication protocol.
6. The method of claim 5, wherein the wireless communication protocol is selected from the group consisting of the Bluetooth, ZigBee, ultra wideband (UWB), and IEEE 802.11b communication protocols.
7. The method of claim 1, wherein the communication device comprises a satellite-based digital audio radio (SDAR) receiver.

8. The method of claim 7, wherein the data comprises audio data.

9. A processor-readable medium having processor-executable instructions for:

buffering data and timing information received by a communication device using a memory arrangement;

receiving one of the buffered timing information and current timing information associated with currently transmitted data in a decryption subsystem; and

using the decryption subsystem to decrypt the buffered data only when the buffered timing information is not earlier than the timing information received by the decryption subsystem.

10. The processor-readable medium of claim 9, wherein the data and timing information is buffered using a removable memory device.

11. The processor-readable medium of claim 10, wherein the removable memory device comprises a flash memory device.

12. The processor-readable medium of claim 9, further having processor-executable instructions for transmitting the buffered data to another communication device.

13. The processor-readable medium of claim 12, further having processor-executable instructions for transmitting the buffered data to another communication device using a wireless communication protocol.

14. The processor-readable medium of claim 13, wherein the wireless communication protocol is selected from the group consisting of the

Bluetooth, ZigBee, ultra wideband (UWB), and IEEE 802.11b communication protocols.

15. The processor-readable medium of claim 9, wherein the communication device comprises a satellite-based digital audio radio (SDAR) receiver.

16. The processor-readable medium of claim 15, wherein the data comprises audio data.

17. A communication device operable in a satellite-based digital audio radio (SDAR) system, the communication device comprising:  
an antenna configured to receive a signal from an SDAR service provider;

a channel decoder operatively coupled to the antenna and configured to generate data and timing information as a function of the received signal;

a memory arrangement operatively coupled to the channel decoder and configured to buffer the data and timing information;

a decryption subsystem operatively coupled to the memory arrangement and the channel decoder and configured to

receive one of the buffered timing information and current timing information associated with currently transmitted data in a decryption subsystem, and  
decrypt the buffered data only when the buffered timing information is not earlier than the timing information received by the decryption subsystem.

18. The communication device of claim 17, wherein the memory arrangement comprises a removable memory device configured to buffer the data and timing information.

19. The communication device of claim 18, wherein the removable memory device comprises a flash memory device.

20. The communication device of claim 17, further comprising a data transmission subsystem configured to transmit the buffered data to another communication device.

21. The communication device of claim 20, wherein the data transmission subsystem comprises a wireless transmission arrangement configured to transmit the buffered data to another communication device using a wireless communication protocol.

22. The communication device of claim 21, wherein the wireless communication protocol is selected from the group consisting of the Bluetooth, ZigBee, ultra wideband (UWB), and IEEE 802.11b communication protocols.

23. The communication device of claim 17, wherein the communication device comprises a satellite-based digital audio radio (SDAR) receiver.

24. The communication device of claim 23, wherein the data comprises audio data.